

## **MAT-2 — DIFFERENTIAL EQUATIONS**

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### **About This Course**

**Transfer:** UC, CSU

**C-ID:** (C-ID:MATH 240)

4.00 units

**Prerequisite:** MAT-1B

**Description:** This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)